

#4

AR

1/23/01

Pre/B

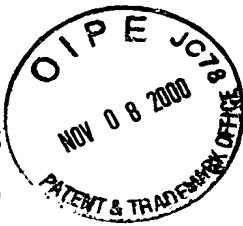
WS

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:  
WÖHRLE

Serial No.: 09/679,135

Filed: October 3, 2000

For: *Bioroot Endosseous Implant*

Art Unit: 3732

Examiner: M. Bumgarner

Attorney Docket No. 9677-004-999

Date: November 8, 2000

TECHNOLOGY CENTER 3700

NOV 17 2000

RECEIVED

Assistant Commissioner for Patents  
W)ashington D.C. 20231

Sir:

Please enter the following amendments into the file of the above identified application.

IN THE CLAIMS:

Please cancel claim 1.

Please add the following new claims:

*30.2.* An endosseous dental implant, comprising:  
 a shaft made from a biocompatible material, said shaft having a distal end and a proximal end;  
 an abutment-implant interface disposed towards the proximal end of said shaft; and  
 a bone-tissue apposition surface formed on said shaft and disposed adjacent to said abutment-implant interface, said bone-tissue apposition surface including at least one peak and trough configured to approximate the physiological contours of naturally occurring bone-tissue morphology.

*31.3.* The endosseous dental implant according to Claim *2*, wherein said bone-tissue apposition surface has a non-planar appearance.